

Cordell Bank National Marine Sanctuary

**Agenda  
Cordell Bank National Marine Sanctuary  
Advisory Council  
PRBO  
March 25, 2008**

**SANCTUARY ADVISORY  
COUNCIL**

**MEMBERS:**

Carol Keiper  
*Research*

Lance Morgan  
*Conservation*

Chuck Wise  
*Maritime Activity*

Tom Lambert  
*Community-at-Large Sonoma*

Doreen Gurrola  
*Education*

David Swatland  
*U.S. Coast Guard*

Daniel Cohen  
*Research Alternate*

Todd Steiner  
*Conservation Alternate*

Josh Churchman  
*Maritime Activity Alternate*

Michael Mery  
*Community-at-Large Marin Alternate*

**Time**

**Topics and Objectives**

9:00-9:15

**Welcome, Roll Call,  
Review Agenda**  
– Tom Lambert

9:15-9:30

**Review December 6th Minutes**  
– Tom Lambert

9:30-9:40

**Public Comment**

9:40-10:10

**Manager's Report**  
– Dan Howard

10:10-10:25

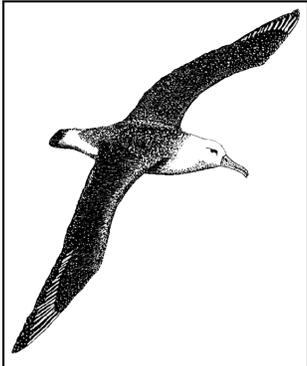
**Inclusion of County Seats on the  
CB SAC**  
– Dan Howard

10:25-10:35

**Break**

10:35-11:15

**Council Member Updates, and  
New Member Introductions**  
– Tom Lambert



Cordell Bank National Marine Sanctuary

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11:15-11:30

**SAC Officer Elections Update,  
and New Member Introductory  
Meeting Overview**  
– Rowena Forest

11:30-11:45

**Blue Oceans, Green Communities  
Update**  
– Tom Lambert

11:45-12:00

**Chair’s Summary Report**  
– Tom Lambert

12:00-12:45

**Lunch**

12:45-1:00

**H.R. 1187 Update**  
– Tom Roth

1:00 – 1:10

**Questions for Tom Roth**  
– Tom Lambert

1:10-3:10

**Wave Energy Panel and  
Discussion**  
– Tom Lambert

**Cordell Bank NMS Advisory Council Meeting  
March 25<sup>th</sup>, 2008  
Minutes**

**Meeting Commenced at 9:15 a.m.**

**Roll call, Review Agenda – Tom Lambert**

**Roll -**

Council Members Present:

Tom Lambert  
Lance Morgan  
Captain James Swatland  
Todd Steiner  
Daniel Cohen  
Carol Keiper  
Doreen Moser  
Michael Mery  
Edmund Smith  
Brian Mulvey  
Jaime Jahncke  
George Clyde  
Liza Crosse  
Bill McMillon

Council Members Absent:

Josh Churchman  
Chuck Wise

Staff Present:

Dan Howard  
Rowena Forest

**Review Last Meeting's Minutes**

*Motion*

*Doreen Gurrola moved to accept 12-06-07 SAC minutes*

*Lance Morgan seconds*

*All in favor*

**Cordell Bank NMS Advisory Council Meeting**  
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**Minutes**

Dan commented on Rowena's meeting summaries and asked the Council if Rowena should continue to list the slides from the guest speakers powerpoint presentations. Council agreed that it would be good to include a pdf of the presentations on the SAC website.

**Manager's Report – Dan Howard**

Budget –

CBNMS was level funded for third year in a row with a slight increase to cover salaries.

Dan had put in for a Resource Protection Specialist for the site. Did not get funded. The regional office has offered to transfer money to CBNMS for this position with an agreement from HQ that funding will be provided to the Cordell Bank base budget in FY09.

PAC Funds (Facilities) –

CBNMS was awarded \$250,000 to continue work with the Oakland Museum on a sanctuary exhibit featuring Cordell Bank and integrating marine sanctuaries and marine conservation into the messaging. The museum is remodeling the natural history wing as part of a larger museum renovation.

\$500,000 awarded for the construction of expanded office space for Cordell Bank and Gulf of the Farallones staff at the Red Barn in Point Reyes. This also includes funding for construction of additional storage for the sanctuary and the park.

Capitol Hill Visits – Dan reviewed his meetings with Congressional representatives in Washington D.C. The topic of discussion with Representatives Woolsey and Congressman Mike Thompson was HR1187 – the boundary expansion bill. There is great interest in the sanctuary program right now and ocean conservation is a topic that many in congress are starting to embrace.

JMPR – the final management plan is scheduled for completion in the Fall of 2008. Dan commented that the programmatic element of the plan is already being used as a guide for developing the Sanctuary's annual work plan. The regulatory component of the plan is currently under NOAA review. There are pros and cons to combining regulatory and programmatic elements at the same time in the management plan review process. Part of the reason that this review has taken so long is that it is the first review since designation in 1989. Future reviews should be much quicker.

**Cordell Bank NMS Advisory Council Meeting**  
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Reauthorization of the Sanctuaries Act – this was one of our priority talking points while in Washington DC. There was a field hearing in Santa Barbara that generated some momentum but it is uncertain if the bill will be introduced in this session of congress.

**Public Comment**

Jackie Dragon – SeaFlow introduced herself and the projects SeaFlow is involved in.

Brittany Steward – US Coast Guard Living Marine Resources Officer introduced herself, and her involvement in learning about the Sanctuary program

Vic Chow – Bodega Marine Lab (BML), public education at BML

**Inclusion of County Seats on the Council – Dan Howard**

Dan introduced the possibility of including seats on the Cordell Bank Advisory Council representing Sonoma and Marin County – District 4 Representative for Marin County, and District 5 Representative for Sonoma County. Dan asked the Council their opinion of this.

The Council expressed support of this idea – based on the importance of community and local government education and support of the Sanctuary program.

Liza Crosse, aide to Steve Kinsey – District 4 Marin County – mentioned that County supervisors have lobbyists in Washington D.C. that can support Sanctuary issues over time. Dan and the Council discussed the options for meeting participation of Supervisors with limited time. Captain Swatland addressed the importance of the SAC meetings as one of the only times local maritime ocean stakeholders meet, and encouraged County participation based on this. Liza said it might be hard for staff to be at the advisory council meetings all day long. A better model might be to have them for the morning session when the stakeholders report out.

**Council Member Updates and New Member Introductions – Tom Lambert**

New Member Introductions - (Please see New Members Bio's attachment for full introductions)

Bill McMillon

Edmund Smith

Jaime Jahneke

Liza Crosse

George Clyde

Brian Mulvey

**Cordell Bank NMS Advisory Council Meeting**  
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Member Updates

Lance Morgan –

Discussed MLPA work that had been conducted by the regional stakeholder group - Three proposals have advanced to the Blue Ribbon Task Force.

Lance listed the upcoming public MPA meeting dates and times.

Doreen Gurrola – announced her pregnancy and that she will be stepping down from the Council. Tom Lambert, Joe Smith and Doreen have formed the Cordell Marine Sanctuary Foundation, and it has officially become incorporated. This new non-profit will be a fiscal entity to support the work of the CBNMS. We will not be looking for paid staff or memberships. We are looking for new board members and in particular we could use someone with bookkeeping and accounting skills. If any one has someone in mind, please have them contact any one of us.

Captain David Swatland –

USCG effort to assign Coast Guard personnel to be sanctuary liaison and a consistent participant at Sanctuary activities, in particularly at the Sanctuary Advisory Council meetings. Captain Swatland gave an oil spill update – The Cosco Busan unified command on Treasure Island still active, and working with stakeholders to determine when specific shoreline areas are “clean” from the Cosco Busan oil spill. New technologies are available to aid in clean-up, but need to be implemented and approved within the State. Captain Swatland commented that the Advisory Council should remain aware of these technologies, and work toward having them accepted by the State and other agencies. USCG working with bar pilots to formalize regulations for vessel traffic implementing visibility standards.

Coast Guard weapons training update – still sending trainees to San Diego on-land training site

Salmon season - Fish and Game concerned over salmon closures, and poaching concerns as a result of this. Coast Guard will help with this enforcement.

Sailing vessel disappeared last week during regatta race: Two lost. There is some concern and an investigation of the accident is ongoing. Seas were rough, but there is some question as to the nature of this wreck and why the boat broke apart. There is no evidence that it was hit by a large vessel. It is unknown whether or not the boat was outfitted appropriately with safety equipment; no emergency radio call or beacon transmission was received.. Safety standards of sailing races are at issue and are being managed w/Pacific Yacht Racing Association.

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Council questions regarding continued oiling of beaches and shoreline from the Cosco Busan spill: Yes, oil is still appearing on some areas after weather events. Council also commented that the SF Bay has periodic oiling of shoreline due to oil in the Bay from past events.

Michael Mery – Michael reported on an upcoming conference in Europe regarding environmental planning, and issues effecting the marine environment. Michael will share the examples of the Tomales Bay Watershed Council and the Cordell Bank Sanctuary Advisory Council as examples of citizen/stake-holder involvement in marine issues at this conference.

Todd Steiner – Todd announced the shark and turtle conservation presentation March 31<sup>st</sup> at Point Reyes Dance Palace, presented by SPAWN. SPAWN is conducting smolt trapping over the next several weeks in San Geronimo Valley.

Carol Keiper – Carol expressed thanks to the Council for all the years of involvement, and Carol discussed a marine debris survey.

**Chair's Wrap-up Report  
– Tom Lambert**

Tom summarized his terms as Chair for the Cordell Bank Advisory Council, and reviewed the Council's accomplishments over the years. Tom also shared suggestions for the Council in the future, and acknowledged several people on the Council and Cordell Bank staff. See attachment for full report

**SAC Officer Elections Update and New Member Introductory Overview  
– Rowena Forest**

Officer Election Update – Rowena outlined the protocol for SAC officer elections, as covered in the CB SAC Charter. Rowena acknowledged past CB Chairs and Vice Chairs, discussed the annual National Chairs Coordinators Meeting, and covered voting procedures for this year's SAC officers' elections.

New Member Orientation Meeting – Rowena discussed details of the introductory orientation she is putting together for all new Council members, which will take place in early April, 2008.

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**Blue Ocean's Green Communities Update – Tom Lambert**

Tom explained this national initiative introduced to all the Sanctuary Program's Advisory Councils, and would like the Council's input of possible projects CB SAC could partake in for this initiative. Tom noted that funding for this initiative did not get approved from the National level.

Todd Steiner suggested projects the Advisory Council and SPAWN could collaborate on, including storm water runoff diversion projects.

Tom Lambert noted that ideas should be brought to the new chair, so they can bring it to the national meeting. Dan Howard noted that although there is no funding for this at this time, it's important to become involved as a SAC, and see if there are any existing efforts we can support. Liza Crosse – gave a report of ideas for the initiative, using the example of County of Marin “green” initiatives and projects.

**Regional Case Study for the National SAC Chairs/Coordinators Meeting  
– Tom Lambert**

The National Chairs Coordinators Meeting case study for the West Coast Region will most likely be lessons learned from the Cosco Busan oil spill.

Tom reviewed the process for developing the case study and getting SAC member input for the presentation development. Tom will continue to work on this, and work with the new Chair to incorporate them into the Case Study process.

**Dan Howard thanked all departing members and presented departing SAC members with a gift for serving on the Council**

**Lunch**

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**Tom Roth – HR 1187 update**

Tom announced that the Sanctuary Boundary Expansion bill will be on the House floor next Monday. It will be presented on the suspension calendar, which will allow only a 40 minute debate on the bill since it is considered “non-controversial”. The bill needs a 2/3 vote in order to pass. It will most likely be passed with a “voice vote”. If there is significant opposition, a roll call vote will take place.

The bill was first introduced four years ago. Congresswoman Lynn Woolsey’s staff, and organizations have worked during that time to gain public and political support for this bill. No significant opposition of the bill has surfaced. Tom Roth, Susan Williams of the Bodega Marine Lab, and Dan Howard met to review the scientific significance of the area being proposed under the boundary expansion.

Tom reviewed some of the road blocks that came up about the bill over the years.

If the bill is approved, there will be 24 months to develop regulations for the expanded area. Compromises were made in development of the bill. Tom summarized the compromises and benefits of the revised bill. Tom summarized concerns brought up about the bill from commercial concerns in Monterey. It eventually had unanimous consent.

The Council asked and discussed the proportion of geographic expansion and appropriations of funds to support an expanded Marine Sanctuary.

The Council discussed the issue of reauthorization of the Sanctuaries Act in relation to passing this bill and gaining support for it.

**Wave Energy Panel and Discussion**  
**– David White, Scott Terrill, Mirko Previsic**

Tom introduced David White – National Marine Fisheries Service, Habitat Conservation Division

David presented an overview of West Coast wave energy emergence/Hydrokinetics:

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West Coast wave energy gold rush  
NOAA resources and authorities implicated  
Preliminary permitting defined  
Dan H. commented that one permit applied-for includes a portion of Cordell Bank NMS  
One wave energy permit has been issued – Makah Bay Wave Energy Project Conditional License  
What is a conditional license?:  
Eligibility requirements  
Available quickly  
Five year term with option for more  
Allows connection to grid  
No environmental review necessary  
Does not allow construction  
Makah Bay wave energy project – broad overview of the technology and mooring systems of the buoys  
NOAA was active in the conditions of this license in conjunction of conditions set under the Federal Power Act  
Makah request hearing  
FERC (Federal Energy Regulatory Committee) determination  
NOAA OGC (Office of General Counsel)  
Sonoma County Project – (P-13076)  
The Sonoma Coast out to 12 miles  
Multiple technologies considered  
Sonoma County Water Agency  
FERC is handling for now  
Minerals Management Service will put-out a draft proposed rule-making OCS  
CA Coastal Hydrokinetic Project Permit Sites Map: Of the CA coast with proposed projects and areas of biological significance  
Where to get information  
Sample of FERC website  
What is NMFS FERC team doing?:  
Tracking projects  
Intervention  
Providing input to development of licenses  
OPC info  
Image of Pelamus wave buoy technology

Tom introduced Mirko Persivic – advisor to electric power research within California

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Mirko gave an overview of wave energy technology:

Increasing energy demand

Renewable energy benefits

Pollutant levels and sustainability

Wave Power Densities Globally

Most of the technologies being developed in the U.K.

US offshore wave energy resources

US wave and current energy potential

California wave energy resource

What makes a good wave power site?:

High wave power density

Nearby port infrastructure

Nearby grid interconnection

Water depth of about 50m

State overview – port facilities

Deployment locations – SF Area

Technology Development Status

Components of a Wave farm

Wave power conversion principles

Mirko showed six current approaches to wave power technology

UK based ocean power delivery Pelamis

Mooring – Pelamis example

Mooring components (Pelamis Example)

Operation

North America wave energy projects Kaneohe HI – OPT Power Buoy

OPT Power Buoy – Specs

OPT PowerBuoy - Mooring Configuration

Finavera AquaBuoy

Path forward in California

Michael Mery commented on the high costs inherent in wave energy development and maintenance.

Tom Lambert introduced Scott Terrill – HT Harvey Associates, Biological Consultants  
Scott Terrill summarized the history and work of HT Harvey. Scott presented Ecological Implications of Wave Energy Conversion Installations:

Bottom line is that this is a new technology; as well as the understanding of impacts, or lack of impacts.

Wave energy – conversion technology relatively new

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Scope of environmental effects is unknown including general and site-specific effects  
By Feb 08 FERC had issued 47 preliminary permits for ocean, wave and tidal energy projects

Sighting Considerations

Spatial availability of wave energy

Temporal availability of wave energy

Predictability

Scope of environmental impacts

Physical

Benthic invertebrates

Fishes

Seabirds

Marine mammals

Socio-economic

(Todd commented on turtles being included in the list)

Basic Design Components- buoys, anchor and guy lines, anchoring systems, power cable, on-shore infrastructure to support cable

Baseline Data

Data should be collected from each site for as long as is feasible prior to installation

Standardized survey methodology that can be employed before, during and after installation and implementation should be used

Monitoring – potential impacts unknown, monitoring will help determine impacts if impacts occur, determining impacts should help avoid, reduce or minimize impacts; mitigation for residual impacts

Potential Avian Issues - Artificial Lighting – lighting will be present at the tops of buoys; collision-related mortality of seabirds attracted to lights well documented; birds more attracted to artificial sources of lights during conditions that reduce visibility

Threatened and Endangered Species – Short tailed Albatross, marbled murrelet, Zantus's Murrelet, CA Brown Pelican

Black footed Albatross, Ashy Storm Petrel – petitioned for listing

Image of the Short-tailed Albatross at Cordell Bank

Image of the Ashy Storm Petrel

Image of Xantus' murrelet on Cordell Bank

Image of the Hawaiian Petrel on Cordell Bank

Effects of artificial lighting on seabirds – attraction away from normal activities, etc..

Differential vulnerability – nocturnal seabirds, young more susceptible than adults, etc

Monitoring avian impacts – degree to which buoy lights might attract birds largely unknown, very difficult to monitor, innovative monitoring still WIP, methods using radar

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and visual data for modeling seabird fatality at wind farms are being proposed for wave energy projects

Other potential avian issues – collisions above and below surface, avoidance of areas with buoys, attraction to areas with buoys

Marine mammals – collision, avoidance, attraction, soft bottom near shore, noise, cumulative impacts

Marine fish – EMF generated by sub-sea transmission cables and buoys, particular concern – elasmobranchs, salmon, green sturgeon, Dungeness crab, might disrupt migration and increase predation of salmon, may attract sharks, artificial structure

Conclusion :

Potential bio effects largely untested

Currently doing white paper for the OPC- compile and review existing data and id gaps

Collect data to fill gaps

Estimate potential impacts

Monitor adaptive management

The Council followed the presentations with questions, and discussion with the panelists.

Q/Comment – the oversight of impacts to commercial fishermen in studies is apparent. David White spoke to this, and fisheries involvement. Do we have any of the responses for the questions?

Q/Comment – How can studies of environmental impacts be made if there is no active energy installation to study. David White spoke to this concern, and Scott Terrill followed up on this.

Q/C – regarding effects on disruption to upwelling and physical oceanography as a result large wave farms. Mirko and David responded to this.

Q/C - The Council asked about permitting in light of questionable technology, etc. The panel and Tom Roth answered to this in light of the process and local government involvement in monitoring and permitting.

Q/C – regarding physical fouling, cleaning, and maintenance of the systems. Mirko and David discussed levels of maintenance.

Q/C – Is the consulting firm community keenly interested in these projects, and is the level of interest a measure of the reality of wave energy development? Scott answered this, and the types of firms working on these projects.

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Q/C – timeframe of the HT Harvey White Paper. Scott answered it will be produced in two months.

**Meeting adjourned 3:00 p.m.**

**Action Items**

*Motion*

*Doreen Gurrola moved to accept 12-06-07 SAC minutes*

*Lance Morgan seconds*

*All in favor*

**Cordell Bank National Marine Sanctuary  
Advisory Council Meeting Agenda  
PRBO  
December 6<sup>th</sup>, 2007  
Attachments**

**Attachment #1**

**Manager's Report – Dan Howard**

**Budget –**

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**Capitol Hill Visits** – Dan reviewed his meetings with Congressional representatives in Washington D.C. The topic of discussion with Representatives Woolsey and Mike Thompson was HR1187 – the boundary expansion bill. There is great interest in the sanctuary program right now ocean conservation is a topic that many in congress are starting to embrace.

**JMPR** – the final management plan is scheduled for completion in the Fall of 2008. Dan commented that the programmatic element of the plan is already being used as a guide for developing the Sanctuary's annual work plan. The regulatory component of the plan is currently under NOAA review. There are pros and cons to combining regulatory and programmatic elements at the same time in the management plan review process. Part of

the reason that this review has taken so long is that it is the first review since designation in 1989. Future reviews should be much quicker.

Reauthorization of the Sanctuaries Act – this was one of our priority talking points while in Washington DC. There was a field hearing in Santa Barbara that generated some momentum but it is uncertain if the bill will be introduced in this session of congress.

## **Attachment #2** **New Council Member Bio's**

### Susan Anderson – Sonoma County Community at Large Primary

Susan Anderson has worked in aquatic research and policy for over 25 years and is currently Co-Principal of a private consulting firm, S.R. Hansen and Associates. Her career began with research on the Ridgeback prawn fishery on the Central Coast, where she worked on commercial fishing boats and with seafood processors for over three years. In addition, she was on the staff of the San Francisco Bay Regional Water Quality Control Board, where she fostered collaborative programs to curb toxic emissions from discharges and urban runoff. Later, she joined the research faculties at Lawrence Berkeley National Laboratory and UC Davis Bodega Marine Laboratory (BML). Her research emphasized topical aspects of aquatic pollution including effects of pesticides on native fish in the San Francisco Bay and Delta and genetic effects of pollutant exposure. At BML, she directed the Pacific Estuarine Ecosystem Indicator Research Consortium which focused on wetlands monitoring and indicator research. In 1993, she was awarded a Pew Scholarship in Conservation and the Environment. She lives with her son and husband in Sonoma County on 46 acres of woodland and meadow and enjoys hiking, kayaking, diving and most things aquatic.

### Edmund Smith – Research Primary

Edmund Smith is a Project Scientist at the Bodega Marine Laboratory. He has more than 45 years working as a marine biologist along the Central California Coast and overseas. He was the Director of the University of the Pacific, Pacific Marine Station at Dillon Beach for 16 years. He was a co-founder of a biological consulting firm (ANATEC Laboratories) and a computer company specializing in Motion Analysis. Ed has been a member of the North Coast Regional Water Quality Control Board, a member of the California Department of Forestry Technical Advisory Committee, member of the Marine Science Council to President U.S., Member of the CalEPA Technical Advisory Board, Comparative Ecological Risk Project, and Chair of the San Francisco Bay Monitoring Advisory Committee. He has also served on the Board of Directors of the Laguna de Santa Rosa Foundation and is now a member of the Scientific Advisory Board of that Foundation. He is a Fellow of the California Academy of Science. He continues to serve on the National Resources Advisory Board for Santa Rosa Junior College. Ed has taught at the Pacific Marine Station, University of Washington, Friday Harbor Marine Lab, Woods Hole Marine Biological Laboratory, Sonoma State University (Adjunct

Professor), Mc George School of Law (Adjunct Professor) and Santa Rosa Junior College.

#### George Clyde – Marin County Community at Large Primary

*George Clyde* has a home on Tomales Bay in Marshall, where he is active in various local matters. These include serving on stakeholder working groups organized by the Tomales Bay Watershed Council and the Gulf of the Farallones National Marine Sanctuary Advisory Council to recommend a comprehensive Tomales Bay vessel management plan, taking a lead role in forming a community septic system for Marshall shoreside properties, and participating in Audubon Canyon Ranch's winter water-bird counts and in midnight surveys of spawning grunion at Lawson's Landing. As a lawyer (now mostly retired), his passion for sailing led to professional engagements as the Legal and Rules Advisor for three America's Cup yacht racing teams in the past ten years. George is a member of the Board of Directors of KWMR-FM and is an active member of local organizations involved in the marine environment and boating. He is an enthusiastic, if not always successful, fisherman and sailboat racer.

#### Bill McMillon – Education Alternate

Bill McMillon recently retired from an education career that began in a two-room country school in Calaveras County, California in 1964. He spent the past decade as marine and environmental science teacher at Tomales High School, where he founded and directed the Tomales Environmental Learning Center, a cross-disciplinary program that focused on field research where students received English, social studies, and science credit while participating in ongoing research projects with practicing scientists. This special program was funded by the California Department of Education through its Specialized Secondary Programs.

Since retirement, Bill has returned to his previous incarnation as a freelance travel/outdoor writer/photographer. In that capacity he has published over 400 articles in regional and national publications, and 20 books.

Bill has lived in western Sonoma County since 1969, and was a charter member of the Cordell Bank National Marine Sanctuary Advisory Council as Education Chair Alternate.

#### Jaime Jahncke – Research Alternate

Jaime Jahncke is the Interim Director of the Marine Ecology Division at PRBO Conservation Science, a non-profit dedicated to conserving birds, other wildlife and their ecosystems through innovative scientific research and outreach. He completed his doctorate at the University of California, Irvine. His doctoral dissertation focused on how physical processes associated with coastal waters affect the abundance and

distribution of marine birds in Peru and Alaska. Jaime's research interests include the influence of physical-biological processes on predator-prey interactions and the effects of climate change on trophic relationships at multiple spatial and temporal scales in the marine environment. His current research with PRBO focuses on the physical-biological interactions among the oceanography of the Gulf of the Farallones-Cordell Bank region

and the abundance and distribution of top predators. This project will contribute to better understand food web dynamics in region, identify predictable hotspots, and improve ocean zoning in support of Ecosystem Based Management in the region.

Liza Crosse – Marin County Community at Large Alternate

Liza Crosse lives in the Lagunitas Creek Watershed and is an aide to Marin County Supervisor Steve Kinsey, representing the Tomales Bay Watershed and most of Marin's coast. Through her work and as a volunteer, Liza is engaged in diverse community organizations throughout Marin. She works regularly on planning and funding watershed and fishery restoration projects and is dedicated to balancing human activities for the protection of coastal and marine environments. Liza serves as Vice-Chair of the Tomales Bay Watershed Council, is the County of Marin's representative on the Marin Municipal Water District Lagunitas Technical Advisory Committee, and is on the board of the San Geronimo Valley Planning Group.

Brian Mulvey – Sonoma County Community at Large Alternate

Brian Mulvey is an environmental consultant with Kleinfelder in Santa Rosa, California. He has over 18 years of experience in aquatic issues including 10 years of experience with management issues related to marine fisheries and habitat resources. He is actively involved with oyster and eelgrass restoration activities on the west coast, and is a member of the American Fisheries Society, the National Shellfisheries Association and the Western Society for Naturalists. He is a California native and has lived in Sonoma County since 1995. He is devoted to his family, while also enjoying diving, fishing, golf, motorcycles, sailing, wine and beer "tasting", and community service. Brian has supported the Cordell Bank National Marine Sanctuary Advisory Council for about three years, and has been selected to serve as an alternate for the Community at Large for Sonoma County seat.

**Attachment #3**

## **Chair's Wrap-up Report – Tom Lambert**

### Accomplishments

When I became Chair we were wrapping up the Management Plan Review that consumed the first 4 years of our SAC's existence. Out of the countless working group meetings emerged a Management Plan that will guide the Sanctuary in the future.

We approved three resolutions:

A resolution urging exclusion of the sanctuaries from surveys for oil and gas resources conducted by seismic air gun blasts that could harm fish and marine mammals within the Sanctuary.

A resolution strongly encouraging NMFS to not open up the leatherback Conservation Zone to drift gill net fishing.

A resolution recommending an additional 354 square nautical mile area be added to the original proposed Gulf of the Farallones and Cordell Bank Sanctuary expansion bill. The resolution resulted in the inclusion of the entire Bodega Canyon in the bill. [Witched was passed by the House of Representatives on March 31].

Other accomplishments:

Participated in Roundtable discussion with Pacific Fishery Management Council to improve working relationship between PFMC and the west coast regional sanctuaries.

Reviewed and commented on CBNMS Condition Report.

Attended California Coastal Commission hearing on Federal Consistency of CBNMS regulations with the California Coastal Zone Management Act.

Interviewed by the Inspector General's office as part of their evaluation of CBNMS programs.

Sent letter to NMSP requesting more equitable time allotment for CBNMS to use research vessel Fulmar.

Attended Capitol Hill Ocean Week – Represented Advisory Council in meetings with legislative aide to Senator Barbara Boxer.

I feel we did a very good job of educating CBNMS staff and the SAC members on various issues. We had excellent presentations by experts such as John Hildebrand talking about noise impacts on marine life, Corey Peet on offshore aquaculture and Melissa Miller – Hanson, Sarah Allen and our own Josh Churchman and Lance Morgan talking about the Marine Life Protection Act.

## Future

I think the SAC should change focus from educating CBNMS staff to fulfilling the SAC's primary function as given in the Charter – to provide advice to the Sanctuary Superintendent. A possible structure for this would be to continue the presentations by experts, but then have the SAC members decide how important each issue that is

presented is to the meeting the goals of the CBNMS. Following the presentation SAC members would discuss the issue among themselves and with their constituents and form an opinion on the issue's importance. At the next SAC meeting, the members would discuss the issue's importance. If an issue is determined to be very important to the management goals of CBNMS, a brief letter recommending action on that issue would be prepared by the SAC and sent to the Superintendent.

The SAC should be expanded from present 6 to 10 -12 voting members. With more members it would be easier to form working groups. Also a larger SAC could represent a greater diversity of constituents. I would limit SAC to 12 members, as I feel a SAC with 20 members, such as Monterey Bay's, is unwieldy.

I feel the SAC should put more emphasis on educating the public about Cordell Bank. Since people can't see or touch Cordell Bank, Cordell Bank must be brought to them. There are excellent educational programs underway, lectures, videos, the radio show, booth at the Marin County Fair and the future exhibit at the Oakland Museum. I would like to see more SAC involvement by volunteering time to help in these efforts and/or seeking increased funding of educational programs.

## Thank you

Carol Keiper – first leader of any organization always has the toughest job. Carol defined the Chair's role.

To all SAC members for hard work, ideas and interesting discussions

To Dan and staff for working closely with us and always providing excellent updates on the sanctuary's activities. Many of these reports were fascinating.

To Rowena for all the work behind the scenes - lining up speakers, developing meeting agendas, preparing the minutes and keeping us all well fed.

My wish for the new members – I hope you find serving on the Council as enjoyable as I have.